



PTO/SB/08a (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	09/318,668
Filing Date	May 25, 1999
First Named Inventor	Charles D. Gollnick
Art Unit	1752-2067
Examiner Name	P. Soltzberg
Attorney Docket Number	14206US01

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. *	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
✓	A1	US-3781815	12-25-1973	Boudreau et al.	
✓	A2	US-4164628	08-14-1979	Ward et al.	
✓	A3	US-4332027	05-25-1982	Malcom et al.	
✓	A4	US-4414661	11-08-1983	Karlstrom	
✓	A5	US-4630314	12-16-1986	Smith	
✓	A6	US-4644532	02-17-1987	George et al.	
✓	A7	US-4663706	05-05-1987	Allen et al.	
✓	A8	US-4679244	07-07-1987	Kawasaki et al.	
✓	A9	US-4725992	02-16-1988	McNatt et al.	
✓	A10	US-4736461	04-05-1988	Kawasaki et al.	
✓	A11	US-4747126	05-24-1988	Hood et al.	
✓	A12	US-4748658	05-31-1988	Gopal et al.	
✓	A13	US-4837858	06-06-1989	Ablay et al.	
✓	A14	US-4864559	09-05-1989	Perlman	
✓	A15	US-4884266	11-28-1989	Pflaumer	
✓	A16	US-4885780	12-05-1989	Gopal et al.	
✓	A17	US-4916726	04-10-1990	Morley, Jr. et al.	
✓	A18	US-4926064	05-15-1990	Tapang	
✓	A19	US-4942552	07-17-1990	Merrill et al.	
✓	A20	US-4984247	01-08-1991	Kaufmann et al.	
✓	A21	US-5008882	04-16-1991	Peterson et al.	
✓	A22	US-5018133	05-21-1991	Tsukakoshi et al.	
✓	A23	US-5027427	06-25-1991	Shimizu	
✓	A24	US-5031098	07-09-1991	Miller et al.	
✓	A25	US-5056085	10-08-1991	Vu	
✓	A26	US-5099509	03-24-1992	Morganstein et al.	
✓	A27	US-5103461	04-07-1992	Tymes	
✓	A28	US-5117422	05-26-1992	Hauptschein et al.	
✓	A29	US-5128932	07-07-1992	Li	
✓	A30	US-5142531	08-25-1992	Kirby	
✓	A31	US-5142534	08-25-1992	Simpson et al.	
✓	A32	US-5150360	09-22-1992	Perlman et al.	

Examiner  
SignatureDate  
Considered

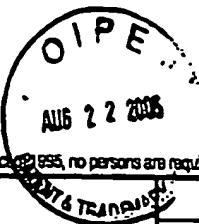
9/16/2005

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 3

**Complete if Known**

Application Number	09/318,668
Filing Date	May 25, 1999
First Named Inventor	Charles D. Gollnick
Art Unit	1752-2687
Examiner Name	P. S. Burkley
Attorney Docket Number	14206US01

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
W	B1	EP-281334	09-07-1988			
W	B2	WO-9202084	02-06-1992			

**NON PATENT LITERATURE DOCUMENTS**

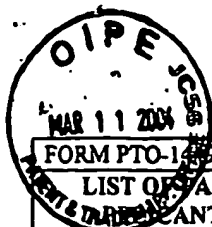
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
W	C1	L. KLEINROCK and F.A. TOBAGI, "Packet Switching in Radio Channels; Part IV- Stability Considerations and Dynamic Control in Carrier Sense Multiple Access," IEEE Transactions on Communications, vol. COM-25, No. 10, Oct. 1977.	
W	C2	M. B. PURSLEY, "The Role of Spread Spectrum in Packet Radio Networks," Proceedings of the IEEE, vol. 75, No. 1, Jan. 1987.	
W	C3	J. O. ONUNGA and R. W. DONALDSON, "Performance Analysis of CSMA with Priority Acknowledgements (CSMA/PA) on Noisy Data Networks with Finite User Population," IEEE Transactions on Communications, vol. 39, No. 7, Jul. 1991.	
W	C4	L. KLEINROCK and J. SILVESTER, "Spatial Reuse in Multihop Packet Radio Networks," Proceedings of the IEEE, vol. 75, No. 1, Jan. 1987.	
W	C5	International Standard ISO/DIS 8802-2.2.	
W	C6	A. S. TANENBAUM, "Computer Networks," Prentice Hall, Second Edition.	
W	C7	D.E. COMER, "Internetworking with TCP/IP", Prentice Hall.	

Examiner Signature		Date Considered	9/16/2005
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FORM PTO-1400	SERIAL NO.: 09/318,668	CASE NO.: 1772/14206US01
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE: 05/25/99	GROUP ART UNIT: 2746 2687
(use several sheets if necessary)	APPLICANTS: Gollnick et al.	

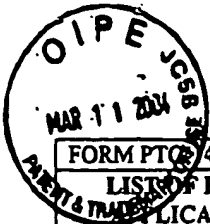
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
~	A1	4,449,248	5/87	Lrs/L	—	
~	A9	4,794,649	12/88	Fujiwara	—	
~	A10	4,804,954	2/89	MacNaK	—	
~	A17	4,964,121	10/90	Movr	—	
~	A19	4,977,611	12/90	Mara	—	
~	A20	4,995,099	2/91	Davis	—	
~	A22	5,025,486	6/91	Klyghart	—	
~	A23	5,029,183	7/91	Tymrs	—	
~	A24	5,031,231	7/91	Miyazaki	—	
~	A26	5,055,659	10/91	Hendrick et al	—	
~	A28	5,081,402	1/92	Koleda	—	
~	A29	5,087,099	2/92	Stolarczyk	—	
~	A31	5,119,502	6/92	Kallin et al	—	

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
~	C2	Biba, A Hybrid Wireless MAC Protocol Supporting Asynchronous and Synchronous MSDU Delivery Services, IEEE P802.11/91-92
~	C4	Cheah, A Proposed Architecture and Access Protocol Outline for the IEEE 802.11 Radio LAN Standards, Part II, Document IEEE P802.11/91-54
~	C5	Cox, A Radio System Proposal for Widespread Low-Power Tetherless Communications, IEEE Transactions on Communications, Vol. 39, No. 2 (February 1991)
~	C6	Natarajan et al., Battery Efficient Operation of Radio MAC Protocol, Document IEEE P802.11/91-102
~	C7	Rypinski, Power-Drain Considerations for Full Time and Sleep Mode Radio Receivers, Document IEEE P802.11/91-99
~	C8	Robert Meier's Masters Thesis, Mobile Computer Network Architecture (May 1993)

EXAMINER: <i>[Signature]</i>	DATE CONSIDERED: 9/16/05
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FORM PTO 449	SERIAL NO.: 09/318,668	CASE NO.: 1772/14206US01
LIST OF PATENTS AND PUBLICATIONS FOR INVENTOR'S INFORMATION DISCLOSURE STATEMENT	FILING DATE: 05/25/99	GROUP ART UNIT: <del>2746</del> 2687
(use several sheets if necessary)	APPLICANTS: Gollnick et al.	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
~	A32	5,121,408	6/92	Cai et al		
~	A33	5,123,029	6/92	Bante		
~	A34	5,128,938	6/92	Bawas		
~	A35	5,134,347	7/92	Koleda		
~	A37	5,150,361	9/92	Wiczorek et al		
~	A38	5,152,006	9/92	Klaus		
~	A41	5,175,870	12/92	Mabry et al		
~	A44	5,230,084	7/93	Ngunjiri		
~	A46	5,241,542	8/93	Nataraj et al		
~	A47	5,241,691	8/93	Owen		
~	A51	5,265,270	11/93	Strengel et al		
~	A52	5,274,666	12/93	Dowdell et al		
~	A53	5,276,680	1/94	Messinger		
~	A54	5,278,831	1/94	Mahay		
~	A57	5,293,639	3/94	Wilson et al		
~	A58	5,296,849	3/94	Idc		

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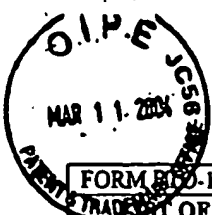
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
~	C14	Digital European Cordless Telecommunications Reference Document (March 1991)
~	C18	Haine, A New Radio Access Protocol and Network Architecture for Mobile Packet Data, 41 <sup>st</sup> IEEE Ventricular Technology Conference
~	C19	Owen, The DECT Radio Interface, Colloquium on CT2/CA1 AND DECT CORDLESS TELECOMMUNICATIONS (1990)
~	C22	Tuttlebee, Cordless Telecommunications in Europe (1990)

EXAMINER: <i>Shi J. Shu</i>	DATE CONSIDERED: 9/16/05
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FORM PTO-1449	SERIAL NO.: 09/318,668	CASE NO.: 1772/14206US01
TRADEST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE: 05/25/99	GROUP ART UNIT: 2746 2687
(use several sheets if necessary)	APPLICANTS: Gollnick et al.	

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
~	A59	5,297,144	3/94	Ci:lburt	—	
~	A63	5,361,397	11/94	Wright	—	
~	A66	5,373,506	12/94	Taylor dd	—	
~	A67	5,390,206	2/95	Reindel	—	
~	A68	5,392,023	2/95	D'Avello	—	
~	A76	5,440,560	4/95	Rypinski	—	
~	A77	5,465,081	11/95	Todd	—	
~	A84	5,584,048	12/96	Wiczorek	—	
~	A93	5,089,813	2/92	Delucchi dd	—	
~	A96	5,239,466	8/93	Morgan	—	
~	A101	5,375,254	12/94	Owen	—	
~	A102	5,377,192	12/94	Goodings	—	
~	A104	5,461,627	10/95	Rypinski	—	

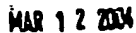
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)					

EXAMINER: <i>Phil Ller</i>	DATE CONSIDERED: 9/16/05
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## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

**FILING DATE: 05/25/99**

GROUP ART UNIT-2746

2687

(use several sheets if necessary)

**APPLICANTS:** Gollnick et al.

**U.S. PATENT DOCUMENTS**

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## FOREIGN PATENT DOCUMENTS

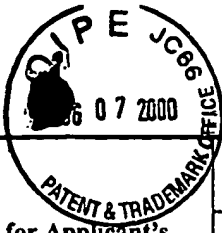
FOREIGN BIRTH DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO	

<b>EXAMINER INITIAL</b>	<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)</b>	

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Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

044220.0306

Serial No.

09/318,668

Applicant

Gollnick *et al.*

Filing Date:

May 25, 1999

Group:

2746

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
53	A1	4,736,461	04/05/88	Kawasaki <i>et al.</i>	455	343	02/12/87
53	A2	5,295,154	03/15/94	Meier <i>et al.</i>	375	1	05/03/93
54	A3	5,708,680	01/13/98	Gollnick <i>et al.</i>	375	220	06/07/95
54	A4	5,844,893	12/01/98	Gollnick <i>et al.</i>	370	329	06/07/95

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation

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